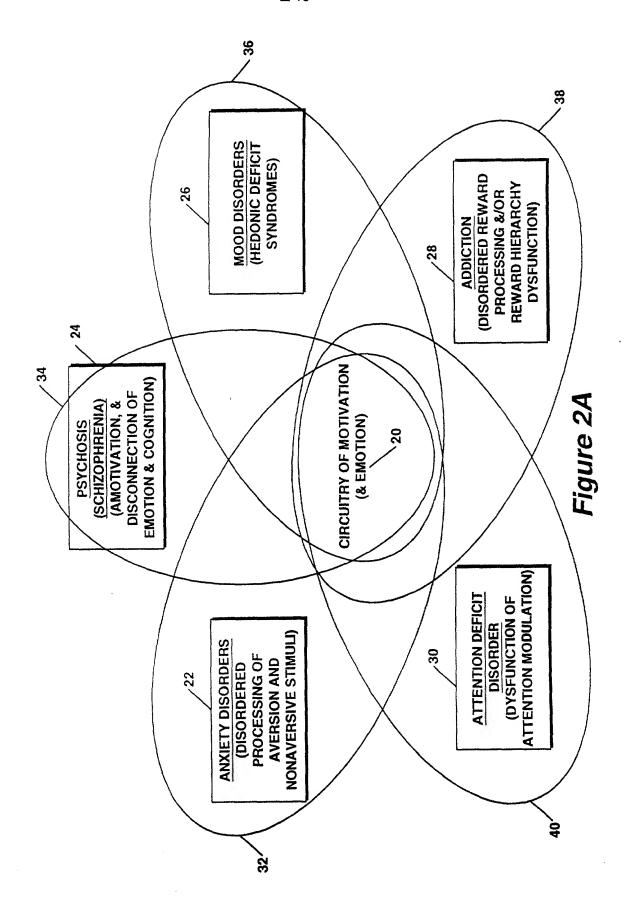
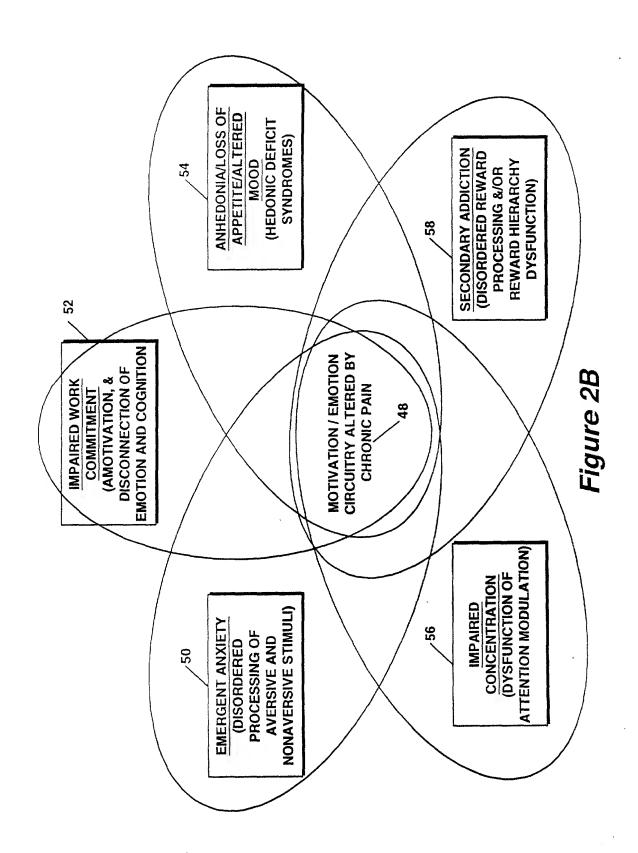
#### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585

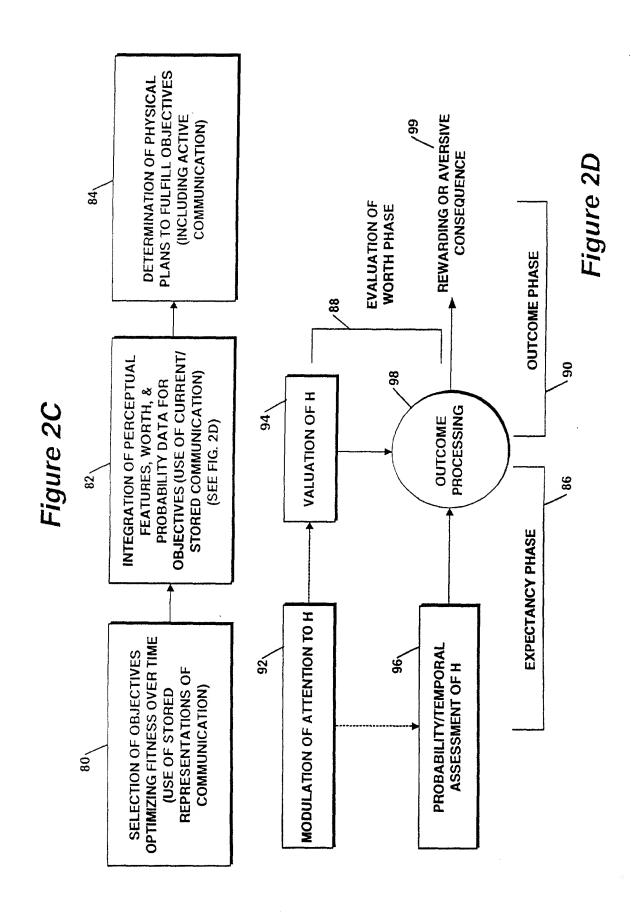


## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 3/40

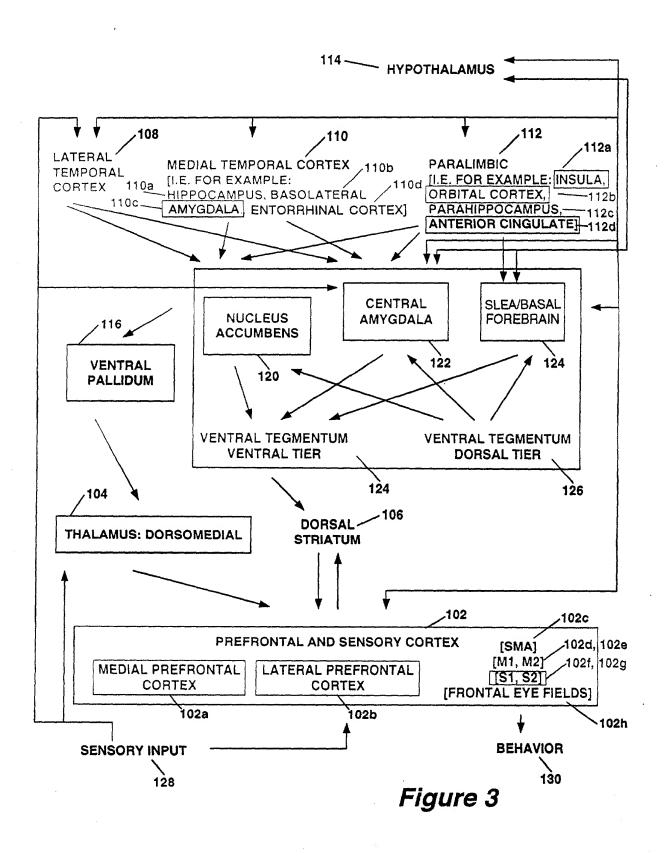


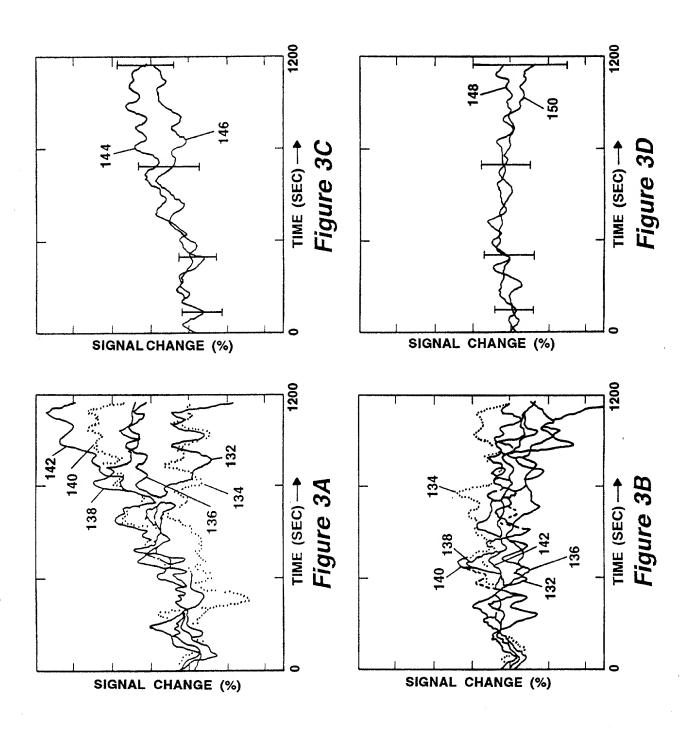
The first offer that that the first in

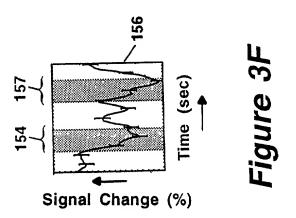
METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585
4/40

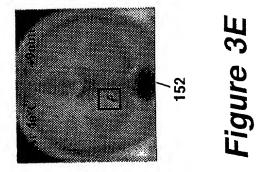


## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 5/40









#### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 8/40

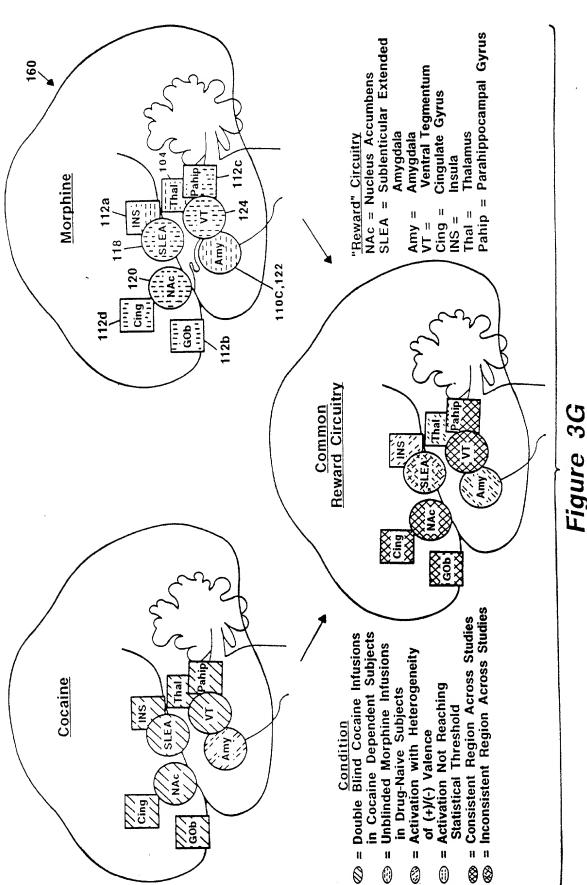


Figure 3G

METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al.

Application No. 09/822,585

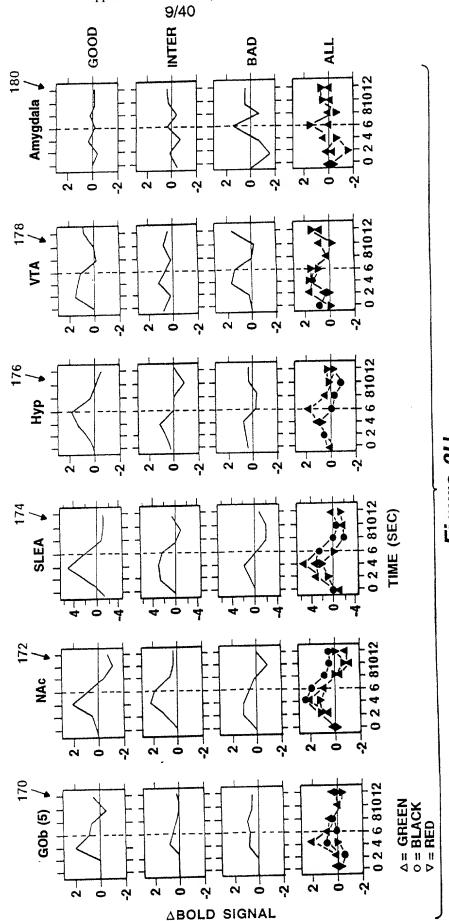
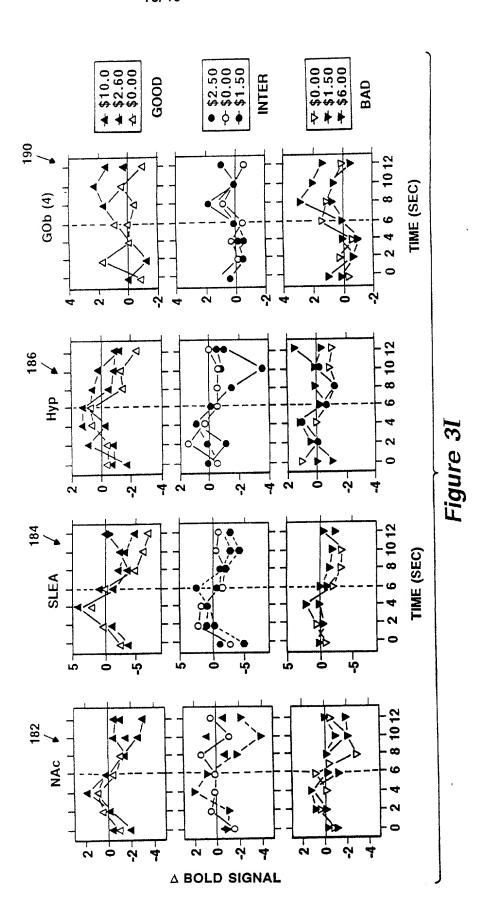
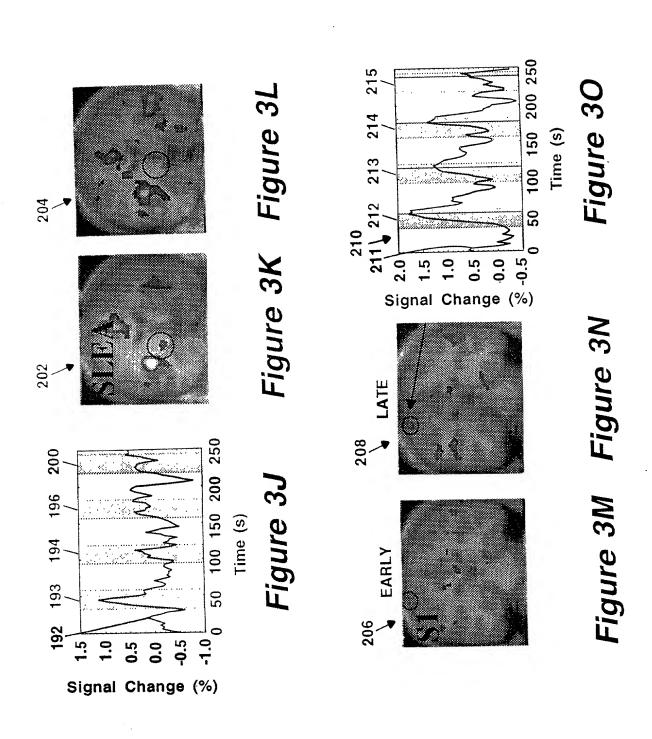


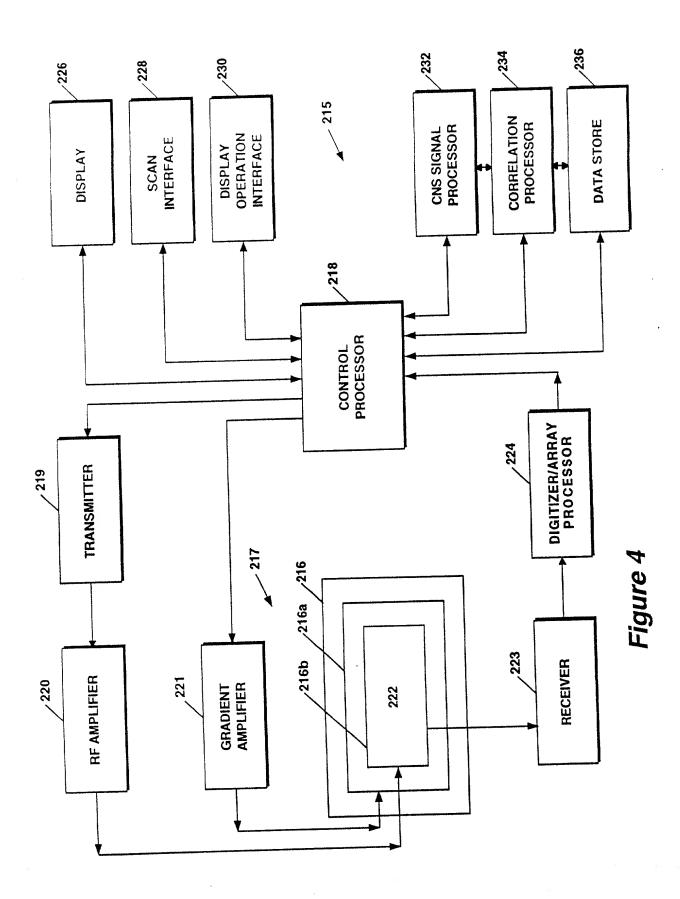
Figure 3H

## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 10/40

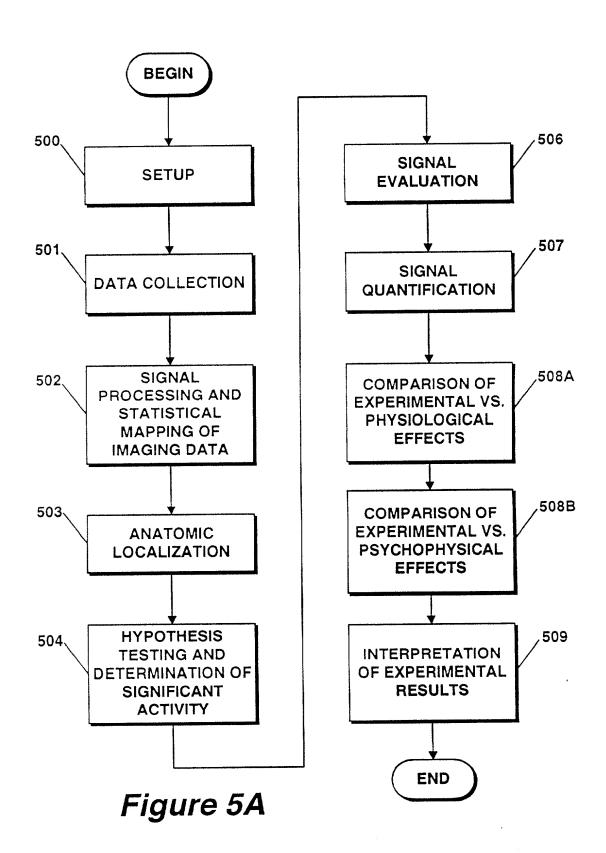




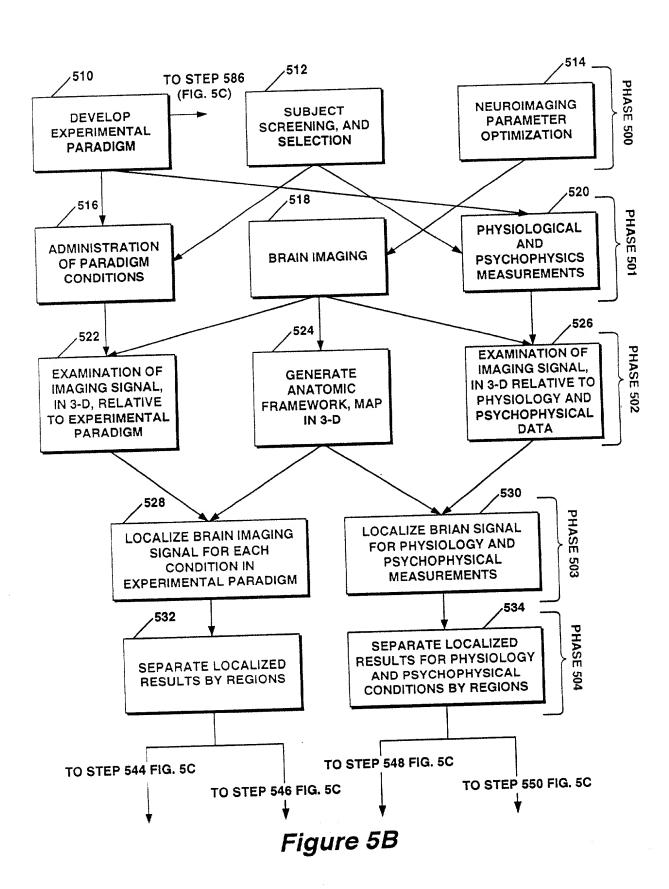
# METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 12/40



## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 13/40

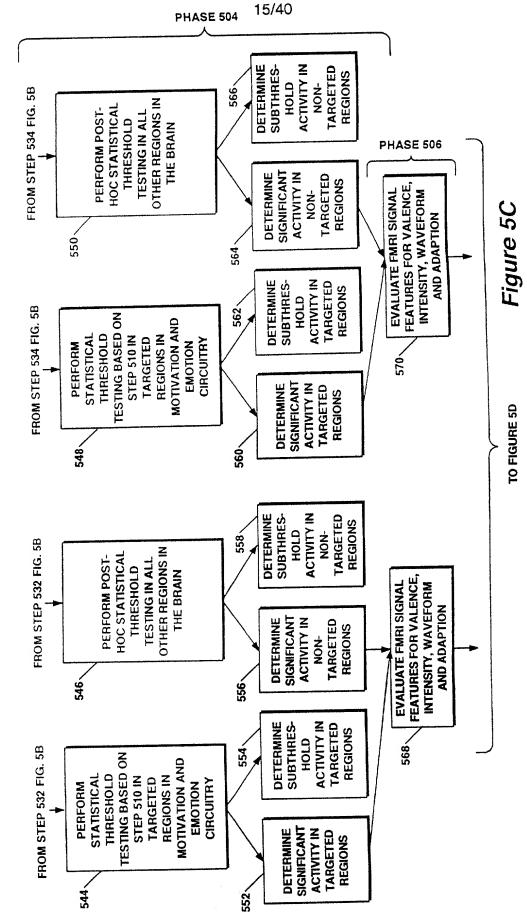


## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 14/40

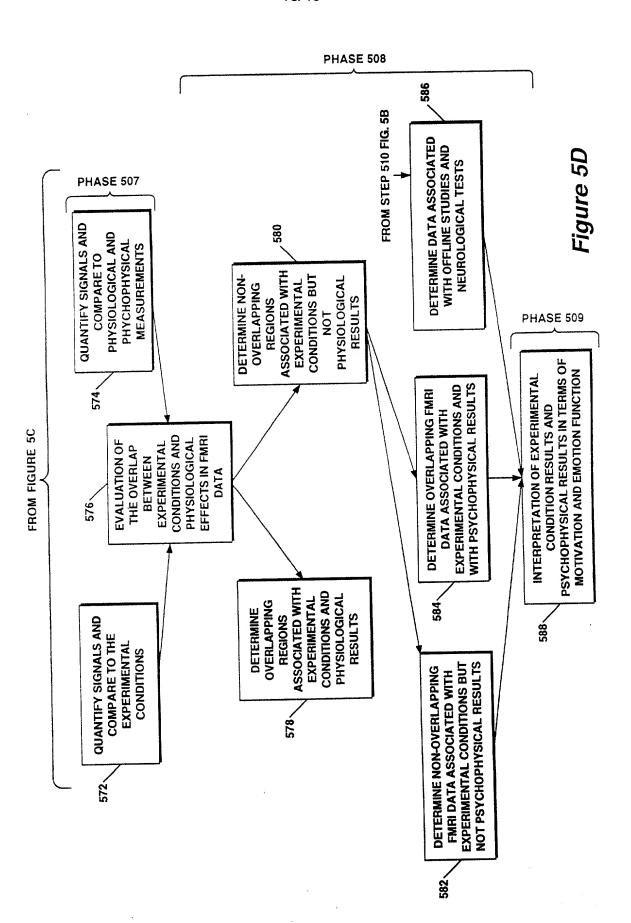


METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al.

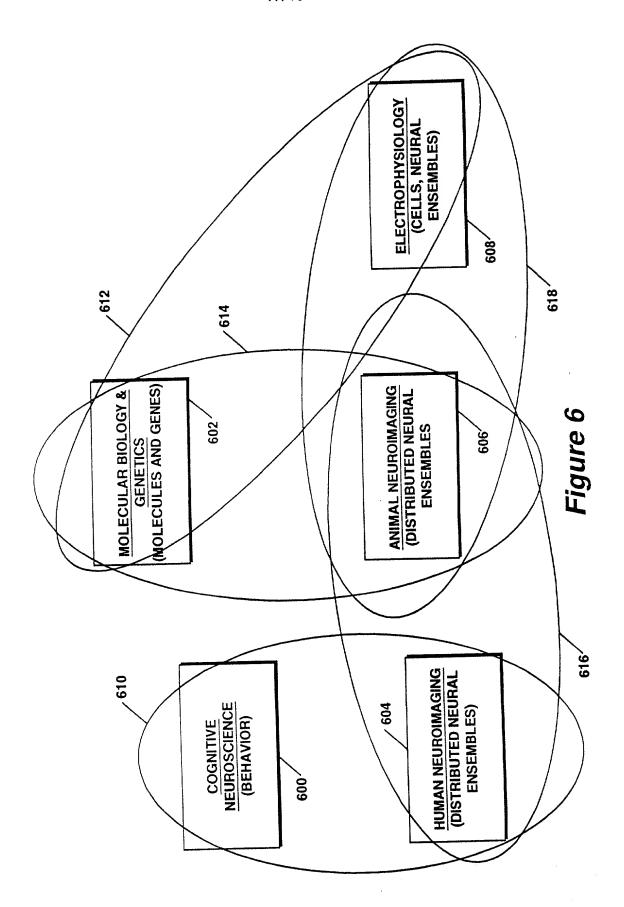
Application No. 09/822,585



### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585

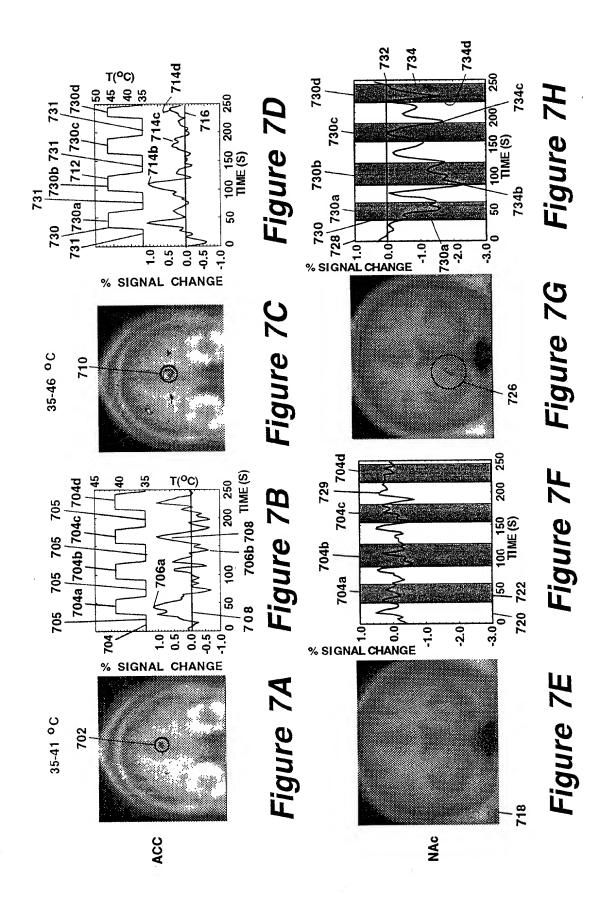


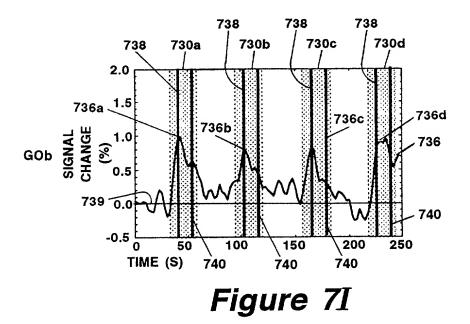
## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585 17/40



1

#### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585





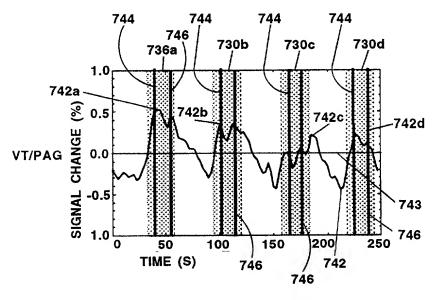
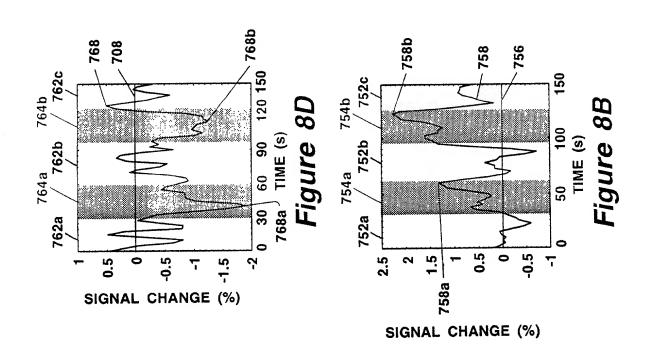
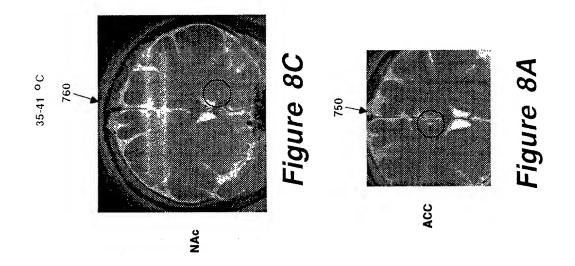


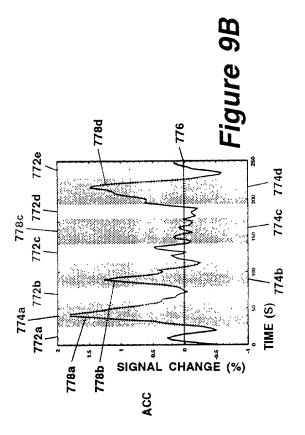
Figure 7J

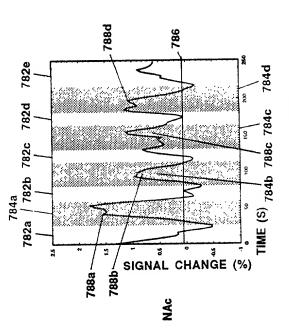
#### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585

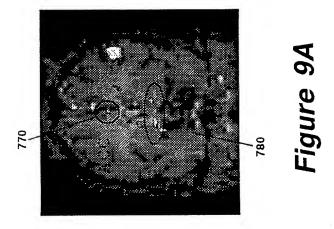




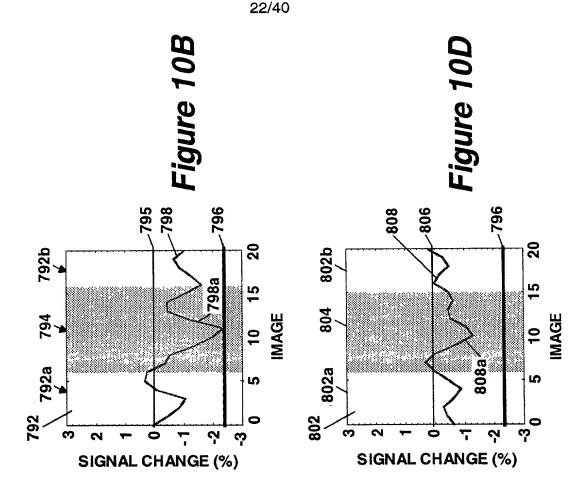


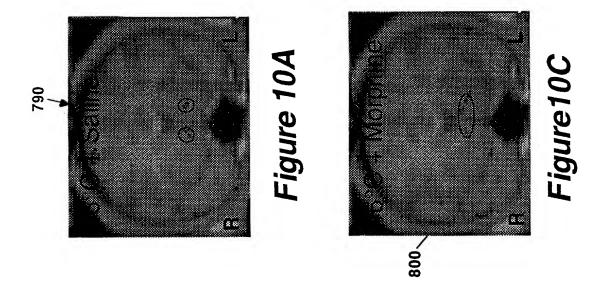




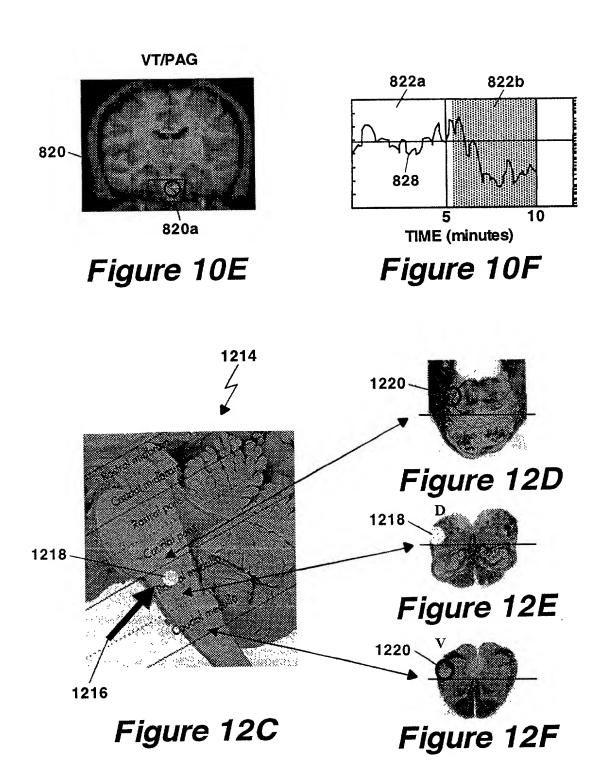


METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585

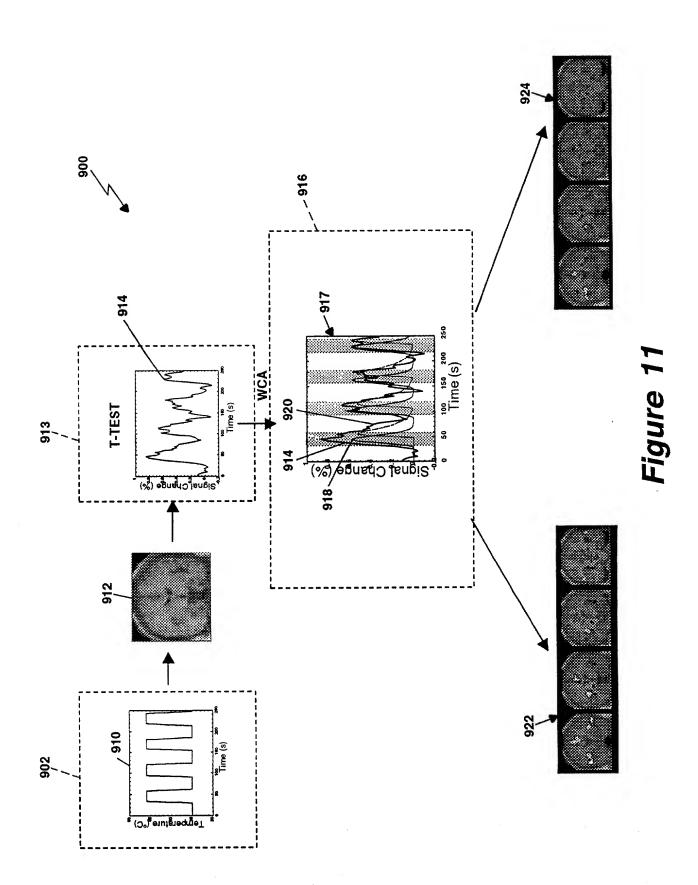




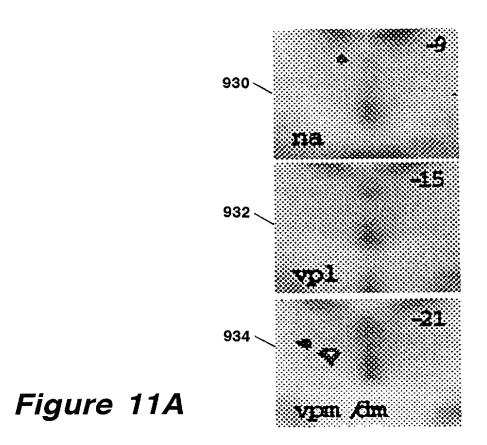
#### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585



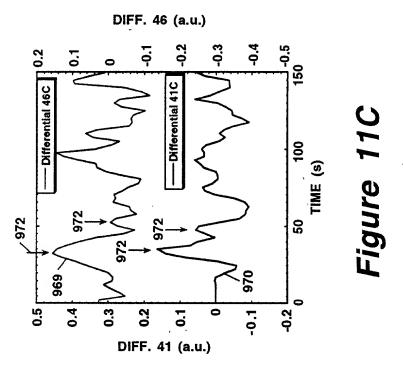
Application No. 09/822,585

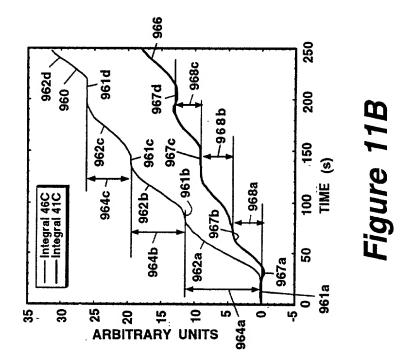


### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585

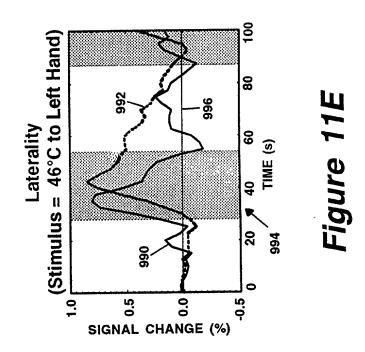


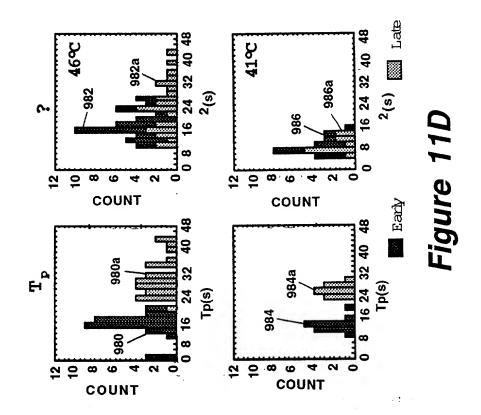
METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585
26/40



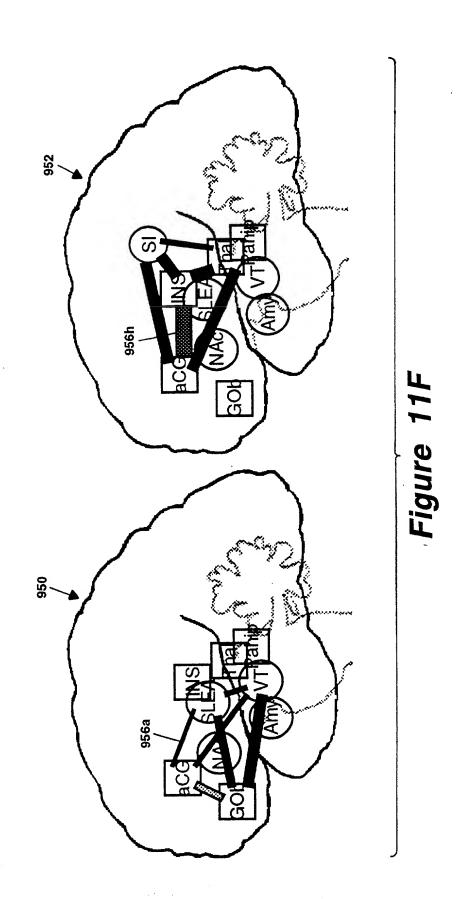








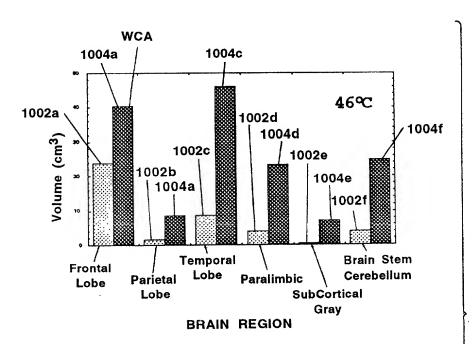
METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585



METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES

Lino R. Becerra, et al.

Application No. 09/822,585



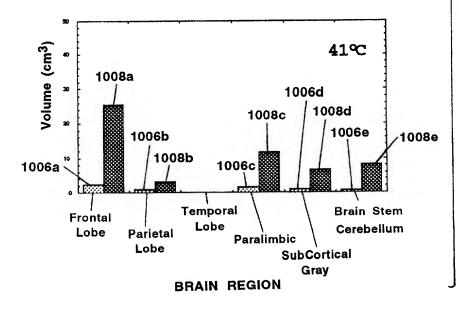


Figure 11G

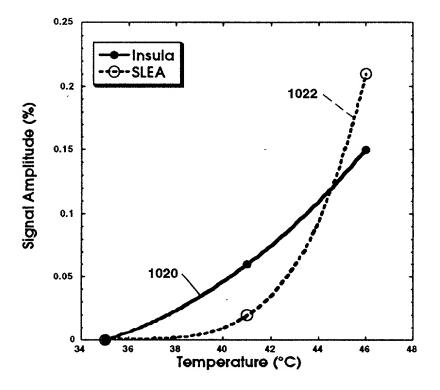
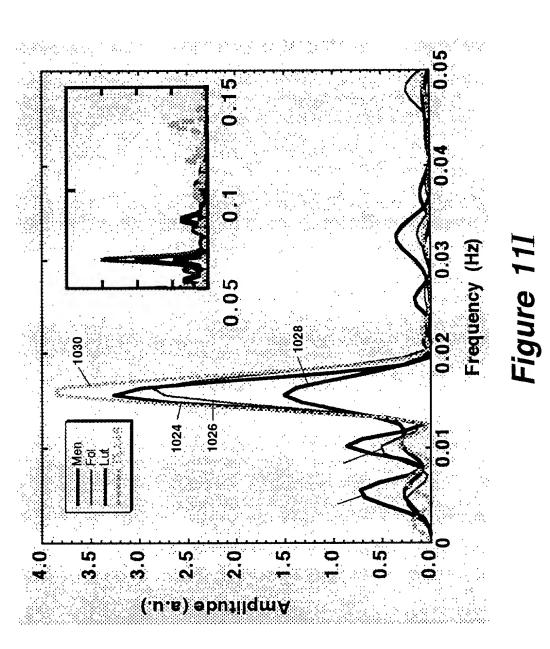
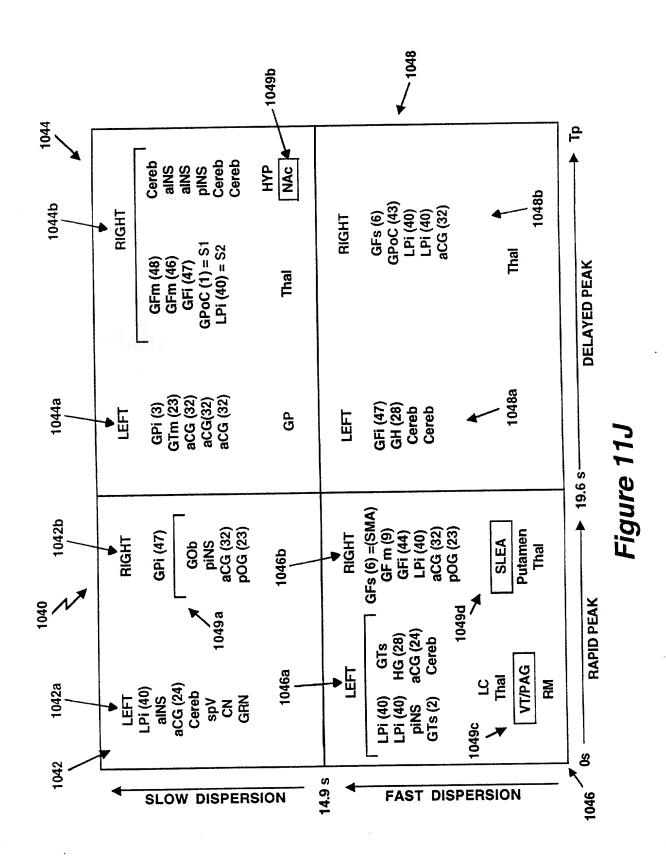


Figure 11H

METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585
31/40



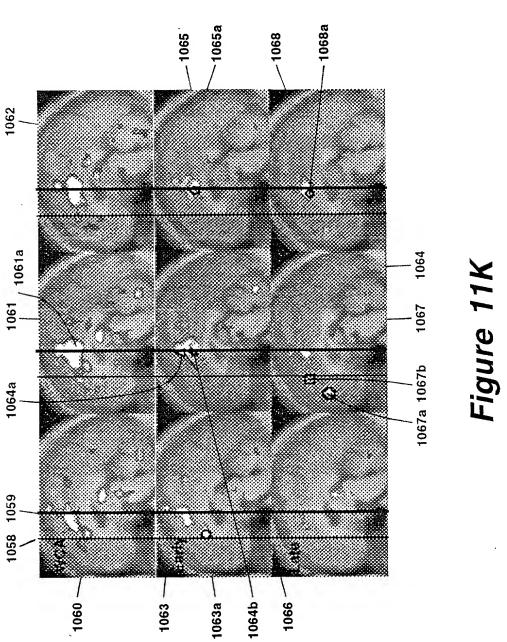
METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585
32/40



METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES

Lino R. Becerra, et al.

Application No. 09/822,585



METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585
34/40

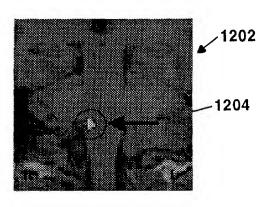


Figure 12

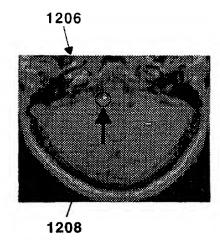


Figure 12A

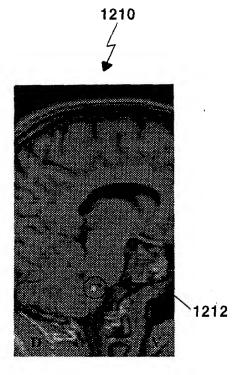
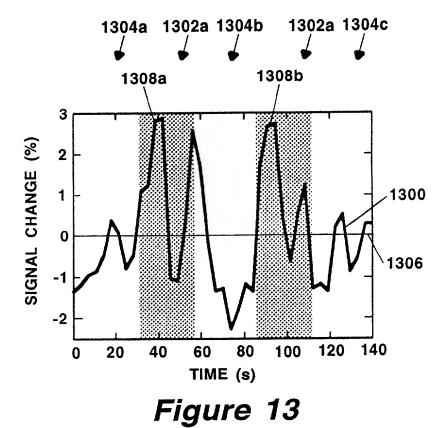


Figure 12B



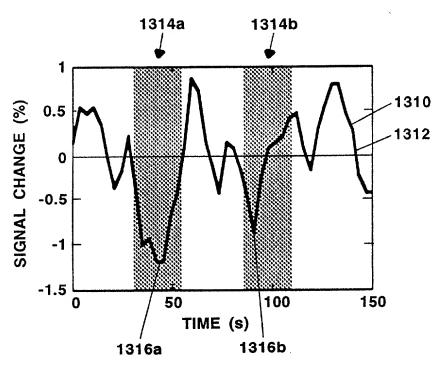
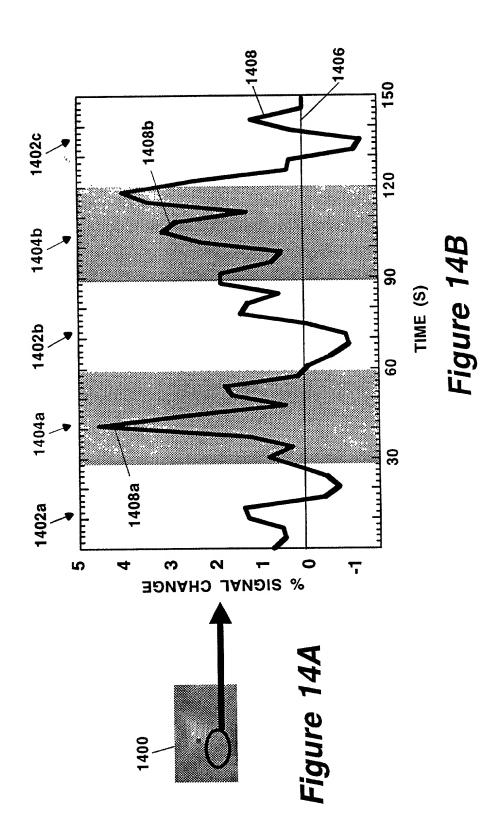
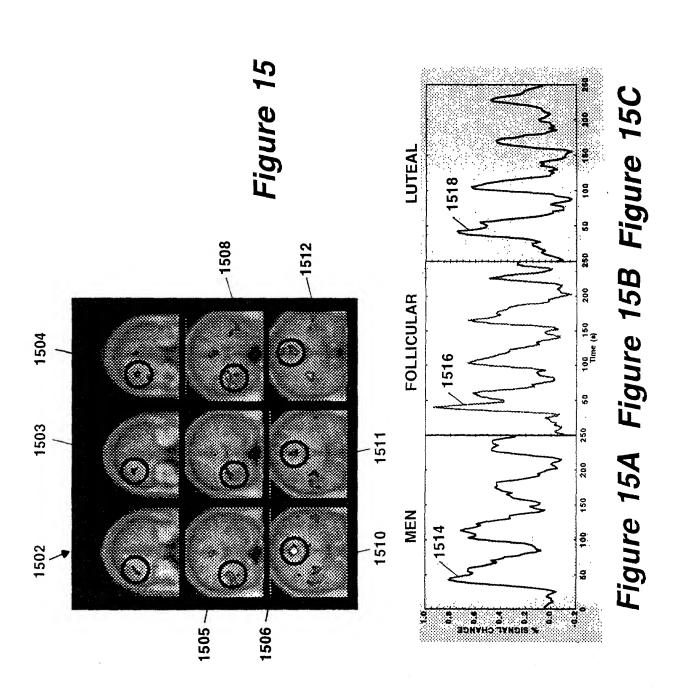


Figure 13A

## METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585







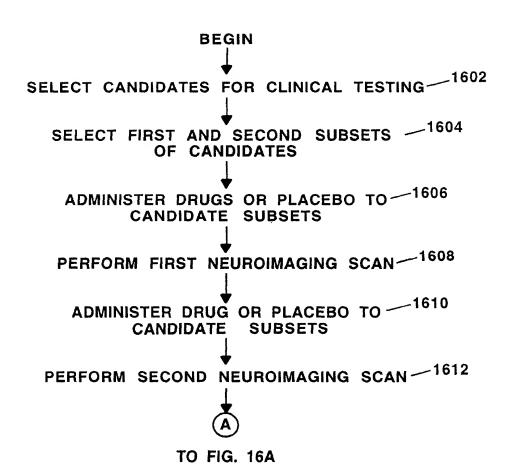


Figure 16

#### METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN TREATMENT AND OTHER RELATED TECHNIQUES Lino R. Becerra, et al. Application No. 09/822,585

39/40

#### FROM FIG. 16

 $\bigcirc$ 

MEASURE PHYSIOLOGICAL AND PSYCHOPHYSICAL 1614
RESPONSES OF FIRST AND SECOND
CANDIDATE SUBSETS

MEASURE PHYSIOLGICAL AND PSYCHOPHYSICAL 1616
RESPONSES OF FIRST AND SECOND
CANDIDATE SUBSETS

CORRELATE NEUROIMAGING DATA WITH 1618
PSYCHOPHYSICAL AND PHYSIOLOGICAL
RESPONSES

END

Figure 16A

METHOD AND APPARATUS FOR OBJECTIVELY MEASURING PAIN, PAIN
TREATMENT AND OTHER RELATED TECHNIQUES
Lino R. Becerra, et al.
Application No. 09/822,585

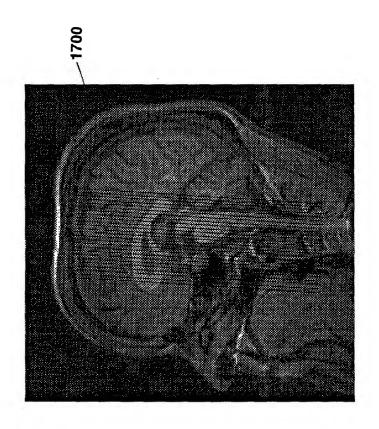


Figure 17